ES

William Simonton's Book

Spasmodica

This I difine to be irregular motions, in the volontary muscles,

Spasmodic diseases are divided into,

1st Clonic

2d Tonic

The first is attended with relaxation.

The second with constant convulsion.

The first disease of this order is.

Tetanus

This is a rigidity of the Muscles, accompanied with a contraction of the Lower Jaw. (I say generally) for sometimes the jaw opens, and this is called in the west Indies the Jaw-fall, and occasional convulsion.

This diffinition includes Opisthotonos. Emphrosthotonos & Trismus

The predisposing cause of this disease is debility. This I infer from its occurring in hot Countries, in warm weather, after fatigue & other causes of debility. — In the West Indies it is most common when they have most Intermittents; of the French Troops who were at the siege of York-town, none who came from Rhode-Port were troubled with it, on the contrary those who came from the West Indies were much afflicted with it

The exciting causes are

1st. Wounds, they act by irritation only, it follows wounds of all kinds, even amputation, but the most common exciting ones are gun shot wounds, it is not necessary that a tendon should be

wounded, or a Nerve cut half thro, to produce this disease, as was formerly supposed, but it may take place even if no tendons were wounded, or the nerve wholly divided

The reasons why Tetanus follows more commonly Gun-shot wounds, than other wounds are

1st Great fatigue

2d Contusion joined with it, which does not dispose to inflamation

I knew a case where the disease came on six weeks after the wound was received

The late Doctor Monro mentions a peculiar case, brought on by walking too soon on a bone that had been broken

The time it comes on after the injury received, is from one day to six weeks

In the west Indies it seizes immediately

4. I knew one case where it came on the first day, from accidentally striking the toe against a stone, another where it attacked the day after, and the patient died on the third day, It is occasioned by drawing teeth – I knew one case & heard of an other

2d Exciting cause is cold, producing debility, applied particularly to the head, it has frequently come on when the person has been sleeping with his head exposed to a current of air in a warm summers night debilitated by the heat & labours of the day.

The crick in the Neck is the first symptom, I have heard of a Trismus occurring two hours after drinking Cold water. Cold acts by increasing the debility already too great. –

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5 That debility should be the cause of spasm is no new opinion, Doct. Hoffman constantly repeats as a matter of importance

"Atonia gignit spasmi"

3d Exciting cause is tenour, the Tetanus was once so common in this city, that it was said to be epidemical, this was owing to their being a greater number than had had it before, and that magnified by the dread of the disease served to increase its effects. I have once known a healthy man seized with it from a fright. — Case of a brewer who had it in consequence of a fright in warm weather after labour another case of a person who was seized with it, on seeing a girl tread on a nail

6. Sometimes wounds which are very superficial occasion it, especially if fear succeeds. I knew an Instance of a man having it from cutting a corn too close

4th cause, are acid matters in the alimentary Canal, this is common in the negroe children in the West Indies, and among the Germans in this Country. the cause of this is Meconium, assisted by warmth of Climate in the West Indies, and stove rooms among the Germans

That Meconium is the cause of it I infer from a purge curing it, It is prevented by giving a gentle purge immediately after birth.

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7th Cause, Ac vegetable substances, one instance of its being produced by a vegetable substance.. French men eat of the Drop-wort Hemlock instead of Greens, it first brought on universal debility & then Tetanus

These are the principal causes of the Idiopathic Tetanus.

The Symptomatic Tetanus is produced by intermittent fevers, Hysteria &c.

Case of a company of Surveyors, who all had the intermittent & then Tetanus, of which all got well by bark.

Men are more subject to this disease, than women, & robust, more than the aged & infirm. —

The Proximate cause is excess or deficiency of action in the nervous system

Dr. Chalmers mentions the pulse being as slow as 40 in a minute.— See Doctor Cullens first Lines.

From whence does this preternatural ~~to~~ strength in spasmodic diseases arise?

A man in France of a common size, for a wager eat two pounds of Garlic, In a little time after he became mad, & so raving that eight men could not hold him.

The hard tendon of a horse, which answers to the Tendo Achillis in Man, will support four times as much weight before as after death.— How is this great strength to be accounted for? I shall endeavour to account for it by supposing there is a latent strength in the body, which is evolved on certain occasions

9. "A Violent blow goes further than its sensation"

I infer this doctrine of latent strength,

1st. From the great simplicity & uniformity in the works of nature.

2d From the sympathy between the operations of the mind & body.

3d. We learn from Chemistry that fire exists in a latent state without either light or heat

There is fire enough in a piece of to burn this city, & in the Ocean to consume the Globe - Life likewise exists in a latent state, in many animals in the winter. —

Dr. Walker relates a fact of a Toad taken out of a stone, which had been a foundation stone to a building for about 300 years

he was cut in two, bled & was convulsed (in Vegetable life,) besides these there are latent powers existing in the human mind.

1st. We see the understanding unfolded by composition.

2d. We see it invigorated by the operation of Passion, who has not heard men eloquent in anger?

3d. We see it further invigorated under the influence of the great & sublime objects of a future world. – I am not singular in this opinion of the energy the soul acquires by its proximity to futurity Xenophon makes Cyrus say, that the soul in the hour of death, acquires something of the divine.

All the poets have taken notice of this, and there are few such accurate observers of Nature as the poets. Homer makes Patroculus in the hour of death, prophecy the death of Hector, and the same Hector in a similar situation the death of Achillis

One of the later poets — "Nam ubi torpescunt," & Shakespear makes the dying.

O! I could prophecy
But that the earthy & cold hand of death,
lies heavy on my tongue"

Milton too takes notice of it in this passage

"Till old experience do attain,
To something of prophetic strain"

We behold the Memory too as well as the understanding unfold under certain cumstances.

Under Intoxication.— Fact of a man in Edinburgh, who had learnt french in the early part of his life, yet had forgotten it so as to be unable to talk it, yet when drunk could speak it fluently.

2d. We behold latent memory in delirium unfolded, the Countess of Laval had been nursed by a welsh woman, & when a child had been learnt to speak the language but on growing up had intirely forgotten it, in a fit of sickness she became delirious, & during the continuance of the delirium, she spoke a language, which none of her attendants could understand, an old welsh woman comming one day to see her, perfectly understood what ~~was~~ said.

B after she recovered, she could not speak Welsh any better than before her illness, & was even ignorant of her having spoken it when sick

3d. It is likewise awakened by madness, Case of a person who had spent three years in the early part of his life in learning the Latin, & Greek Languages, after which he went into business, & totally neglected them for ten years, at that time he was seized with madness, with which his knowledge of these languages revived – he again read them with pleasure, & the reading of them continues to be his only delight.

Lecture 37th

We go on to finish the analogy between latent strength and other latent powers

4th Latent memory is likewise excited by dreams, hence it is frequently the case, that we see in our dreams & perfectly remember faces long since forgotten - we seldom dream of those who are with us, & whose images are strongly fixed on our minds, the Lover cannot dream of her, he loves, unless it is when his affection is an evanescent state

It is awakened likewise by old age, hence we see people of 50 or 60 years, remember things which were done in an early part of their life perfectly, tho they had once forgotten them, we see Latent strength breaking out sometimes in the Passions, & where it was least to be expected

We see sometimes old Maids, & Batchelors get in love with a heat of Passion which favours more of convulsion than nature.

Cowards are sometimes by certain circumstances stimulated to a convulsive performance of great & astonishing actions.

Miseers too are sometimes so wrought upon by the unexpected supplication of distress as to their pity in a convulsive act of Charity.

We see it sometimes awakened into extraordinary exertions in healthy persons

Case of a Lady who during the illness of her husband, for six weeks never undressed her self, or slept more than half an hour in a day, after his recovery she sunk into a very weak state, which end in Pneumonia

absence of one of them

great excess of action in

Mania

May not the Excitement of the system, be turned into Excitability in Hysteria?

May not Excitement & excitability be to each other, what water is to vapour?

Excitement sensible

excitability

Latent

In Tetanus great Excitability at first

Cure

The promonitory Symptoms, are, pain in the pit of the stomach, stiffness of the neck, & sometimes a closing of the jaw.

17.

Opium, Bark, & wine generally cure it in this stage. If there is a wound it should be dilated, & Spirits of Turpentine, or some other stimulating substance should be put in it, as these wounds are frequently superficial they are apt to close, if they do, they must be opened, for by this an inflammation is raised, & the Tone thus induced causes a solution of the spasms

If these are not given in season, & the disease goes on, the most powerful stimuli have succeeded.

If it arises from being exposed to the open air &c. an Emetic should be used.

Mr. John Hunter recommends Sedatives, and said as I had it from one of his pupils, that

were he attacked with it, he would throw himself into an Ice house, or fly to Nova Zembla. How can we reconcile these contrary opinions? In the same way as bleeding is used in the beginning & Bark & opium in the close of a disease

Tetanus has two stages, in the first as being Inflamatory Sedatives are proper, & in the succeeding as being the reverse, Stimuli are to be used - for want of attention to this, both these species of remedies have failed The advice of Mr. Jno. Hunter can only be followed with propriety, when excess of action is present. Mr. Hunter would use the cold bath, & preparations of lead. the cold bath must be used with the greatest caution, but it should act as a Stimulus.

To prevent this the utmost care should be taken not expose the patient to a warm air, & the water should not be wiped from his body

Is bleeding proper in cases of excess of action in this disease? The state of the pulse, appearance of blood when drawn, all forbid it.

I have never seen any advantage from it, instead of it to take down inflamatory action, a vomit exhibited alone should be used; & I thus publickly declare, that I think I once lost a patient, by stimulating instead of exhibiting a vomit I mention this, to impress upon your minds, the certainty of there being two stages. I have seen them do service in two cases.—

An other case I have seen of a boy, who run a nail in his foot, where I was not called till the third day, the patient had a stiff neck, & a constriction of the jaws, I gave him a pretty severe emetic, these symptoms after disappeared in some measure, but not daring to trust to this remedy alone, I poured in the bark & cured him, perhaps this treatment is more proper here than in the West Indies. If Costiveness attends, a gentle Clyster is to be used, See Dr Cullen.

When defiency of action commences, the following remedies are to be used.

1st Opium, but as the stimulus of this is soon over &c.

2d Bark &c

3d Wine, both in large quantities may be used, Dr Curry of Liverpool in a letter to me mentions, his having cured one person by a quarter cask of Madeira wine. Other stimulants may be used, as Turpentine, oil of Amber, & flour of mustard &c. all which have been successfully employed.

4th Cold-bath, so as to obtain its stimulating effects, the patient should be plunged &c.

(see page)

5th Mercury, this should be used early in the disease, externally in the form of an ointment, & internally so as to excite Salivation, & cause inflamation, which communicates tone to the Nervous System, and I have never heard of its being useful without its producing inflamation.

A Letter from Dr. B. of one of the West India Islands mentioned to me that my method of cure had succeeded in three cases out of four

There are several cases of Symptomatic Tetanus, from Gout Hysteria &c. They are all cured by stimulating medicines.

The next disease is

Hydrophobia

It is defined, a painful convulsion of the Pharynx, accompanied with a dislike, & horror at any kind of drink, induced for the most part by the bite of a Mad Animal.

It is improperly called madness because, in most cases the reason is unimpaired, For a History of this disease, see Doct. Boerhaave. The Proximate cause is excess or deficiency of action in the Nervous System.

The predisposing cause is debility.

The exciting causes are,

1st. Usually the poison of Mad Animals, as, dogs, cats, wolves, horses &c., the most common of which are dogs, & cats.

The chief cause of this disease in dogs is, their being two much fed on animal food, this is injurious too to their owners, as their usefulness depends on their activity, and sagacity; What part of a mad animal is infectious? Some say the blood, saliva but I suspect the truth of this from the following facts: A family in Chester County drank of the milk of a cow, which had been bit by a mad dog, without any inconvenience.

A Gentleman in Maryland had a hog killed by the bite of a Mad dog, & his negroes eat of it without any bad effects It has been said that the infection was communicable by playing with, & kissing dogs, but there are no well Authenticated facts of this having ever happened, The Saliva is said to be the cause of this disease, but I believe there is no instance of its ever happening unaccompanied by a wound. —

The time of its appearing is about 40 days after the bite, some times more or less, when the time is longer, it generally runs on to the hot Months, but there are some facts which would make us believe, that it may lie concealed in the body from one to twenty years.

Doct. Tilton of Dover has mentioned a cap of this kind - but I believe it could not be so long without appearing - I am convinced that it must have happened from a cause that had operated much later. All our endeavours should be used to destroy an opinion so contrary to the welfare & happiness of society.

2d Another cause is, Night-Air. -
Dr. Ottho of Hispaniola mentions a cap of a Negroe, who caught it by slapping in the Night air, after his fatigue.

3d. Exciting Cause is great thirst.

4th. Putrid flesh.

5th. Worms.

6th. Hysteria.

7th. Eating of Beach Nuts.

From the History & causes of this disease, it appears nearly related to Tetanus.

There are also some reasons for supposing this disease, & the Tetanus to have been originally, & even yet the same disease.

1st. From their having some particular symptoms in common. Mr. Babington in his paper on Hydrophobia says, that a pain in the stomach is a pathognomonic sign of this disease, this very symptom occurs with equal force in the Tetanus

seen Hydrophobia from a fractured leg.

2d. From their both arising from the same causes, viz. Heat, Fatigue Hysteria, wounds, &c. Do not deny that arises from the bite of mad Animals, but when I think that the tick

of a dog are obtuse, & that in wounding they must bruise & lacerate the parts. I am inclined to believe that in most cases, it acts as a rusty nail does in producing Tetanus.

The fear too which follows a dogs bite, strongly predisposes to Hydrophobia, & hence its greater violence. I believe that the dread of drinking arises from an association of ideas, the person remembering the pain he felt in a former attempt rather than from any thing specifically causing it. I have one fact in support of this opinion, and a fact useful in two ways.

The son of a farmer in Germany made his escape from a recruiting party, after having run some considerable distance, fatigued & thirsty he went into a tavern to drink

as he was lifting the cup to his mouth, the door burst open, & the sergeant of the party entered, at the sight of him the cup dropped from his hand, he was seized instantly with convulsions & fell down, after a while he recovered, but the next time he endeavoured to drink, he was seized with similar convulsions, & for several months he was so afflicted – so strongly did association connect the horror of the sergeant with 10 or 12 Men, with the drinking.

3d. From their yielding to the same Remedies, and this leads me to the

Cure of Hydrophobia

There have been a great many Quack Medicines proposed, & cried up for the cure of this disease.

but none of them are to be depended upon
The wound should be dilated, nothing
seems more perfectly to prove the propri
ety of this, than the cases related by Dr.
Fothergill of the Washerwoman & Gentleman
who were both bit by the same Animal.
The first living hardly, being obliged Con
stantly to follow her business, kept her
wound open for a long time, & had no
disagreeable effects following. The gentle-
mans on the contrary was suffered to heal
up, & he fell a victim to it, notwithstanding
all the endeavours of his Physicians

The Cold-bath should be used daily, & per-
haps at the same time Bark-Wine
Mercury should likewise be used.

30. It appears to act here as in Tetanus — John Hunters Idea should be realized if there is much strength & Inflamation, when there is debility the most stimulant application should be applied. Fact of that happened in Jamaica - A Negro Boy, and two sheep were bitten at the same time — Dr Hager attended the boy, & treated him as if he had the Tetanus, the boy escaped, but the sheep not being attended to, died Woul not the actual Cautery to the part be proper? Dr Mathias recommds it

all the remedies & all the principles in the Tetanus.

Lecture 38th.

Convulsions.

This is an irregular clonic contraction of the Muscles, without sleep

These are what are commonly called fits

The Predisposing cause is debility.

The Proximate cause is excess of irregular or defect of regular action in the Nervous system

The Exciting causes are, pain, Hemorrhage, Plethora, & all the causes of debility

The cure is the same as Tetanus. When excess of action & much strength attend, bleeding & cold air should be employed when it occurs in the small-pox, the chief remedy is cold air

Pediluvium is improper before excess of action is taken down opening the windows & doors co proper.

Laudanum is proper, but not during excess of action, the cold bath should be used for two or three hours together if it could be thus applied, it might be of great service, I have both prevented & cured this disease by opium, but it is only to be used ~~before~~ excess of action has come on, or after it has gone off. I once increased the convulsion by thirty drops of Laudanum, given to a person in whom the disease had been brought on by a gross supper, & was obliged to take ℥xx. of blood from him before he recovered, we should always begin with small doses, & gradually increase them.

Can being taken that the stimulus should be accommodated to the excitability of the system.

Case of Dr. Hedman in the Medical essays

The disposition to convulsion in children is prevented by tonic Medicines

There are but few instances of its being fatal in the the beginning even in the small pox when

It is generally fatal in the close, & when it attacks pregnant women. This is commonly the case when it arises from Hemorrhages. — The Next disease is

Epilepsy

I define it to be a convulsion of the muscles of the body, with sleep.

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It is called the morbus facies &c.

I enter upon the treatment of this disease with reluctance, as I know little more of it than I did twenty years ago. But tho I may not advance any thing new upon the treatment, I hope I may stimulate to more accurat inquiries by delivering a new theory

There is a great resemblance between diseases of the Arterial & nervous system, the same analogy exists between, Tetanus & Hydrophobia, as between Pneumonia & Rheumatism. And as we have marked in fevers, a middle stage of disease, one in which there is a mixture of excess and deficiency of action under the name of Typhoides so it seems probable that in

Nervous diseases, there should be a state of disease resembling it.

It is here I place the Epilepsy, & this seems probable

1st From the persons it affects, they being neither the most robust, nor the weakest, it is known among the Creek Indians, & even Julius Cæsar was affected with it to imbecility

2d From its symptoms, the convulsions being not so violent as some others, & the debility not so great as in Apoplexy

3d From the patients perfect state of health during the intervals.

4th From the inefficacy of Medicines in curing it. The proximate of this disease is a mistaken

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of excess & defect of action in the Nervous system.

The predisposing cause is debility, from a morbid state of the brain from a bad conformation.

The exciting causes, are Intemperance in eating & drinking, a morbid state of the brain, effusion of blood, Pus &c. in the Brain, but effusions of water, pus &c. are perhaps rather effects than causes of debility, great heat, great exercise of the body understanding & passions, excess in Venery, & particularly Onanism, sudden fright – I have known one by a shipwreck, one from seeing a cart run over a mans leg in the street, & I have one case at present of a young man

3d who was waked up at 10 O'clock at night, & going to his window saw the effigy of general Arnold carried along the streets of this city, with great noise, & that of the devil ready to receive him, he had heard nothing of it before the horrible looks of the effigies, & every thing united terrified him so much that he immediately fell into convulsions, & has ever since been subject to the Epilepsy. Among the exciting causes are, violent pain, & retention of acrid matter in the Alimentary Canal, Poisons, repelled eruptions, weakness induced by Hemorrhage, suppression of unusual Evacuations and Plethora. It is likewise produced by the aura Epileptica. ——

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This has been cured by applying the caustic to the part from which it originated.

all these produce evident debility, & hence Excitability.

Precursors are,

1st A bitter taste in the mouth for two or three days before the fit.

2d Enlargment of the pupils.

3d Tremors.

4th False Vision I once prevented a fit of Epilepsy in a gentleman, who had this bitter taste by an Emetic, this is a solitary fact, but it may serve to throw some light on the subject. If the pulse is full Vomits are proper, if weak a dose of Laudanum.

Remedies are,

Vegetables & Metallic stimulants.

The Mistletoe has been recommended, but it is useless, and likewise the Oak-Bark &c.

Sir Jno Elliot said that he had cured the disease with powder of Orange peel, his Brethren ridiculed him for this, but I do not doubt the fact. and I attribute it to the gentle stimulus of the Medicine.

The Metallic stimulants are copper, Iron, & zinc. Copper is generally used in the form of Cup: Ammon: and zinc in the form of flowers, I have seen these do service, & I ascribe it to the mildness with which they stimulate, their stimulus being accommodated to the debility of the system.

They should be given in small doses, from ¼ gr. to 2 grs.

2d. Issues & Setons.

3d. Mercury, given so as to salivate. Dr. Smith of London mentions it to be very useful, when continued for a month or six weeks, & has cured patients by it.

4th. Cold-bathing, has been recommended, but I have never seen it do good, perhaps it is too stimulating.

5th. Chang of Climate, I have known the disease to be suspended for two years in England, & come on again after the patient returned. It may act by altering the action or changing the stimulus of the air, & changing the Association of Ideas.

6th Low diet &c.

7th Full Diet, according to the state of the system, both have approved, when Inflammatory Diathesis is present, bleeding & low diet are proper, a celebrated painter had fits two or three times a week, & had eaten his victuals by weight, growing tired of this manner of living, & obtaining no relief in consequence of which he paid his doctor, & afterwards lived well, drank wine, and punch, by which means he had no attack of the disease for six Months

8th Avoiding all the occasional & exciting causes, especially cold feet

Nature has furnished us with some Radical remedies, as

1st The change of constitution which takes place, either at the 14th-35th or 40th years.

2d. Child-bearing - I have known some who were subject to this disease, intirely cured of it after having born children.

3d. Hard Labour & life. It is said Julius Caesar was free from this disease, while he was employed in the labours of war in his camp - (see a facet of Julius Caesar, in Lord Orrys letters on swift. I knew it suspended by,

1st. Fear & Terror, Case of a girl in Edinburgh Infirmary in Epilepsy Dr. Cullen then attended the wards, her fits used to come on every day at 12 Oclock the Dr. told her, he would apply the hot Iron to her, she was so terrified by this, as to have her fits suspended for three weeks.

Volition. A gentleman subject to this disease, told me, that whenever he felt the fit coming on, he could often suspend it by some violent act of the will.

3d. A small Dose of Opium before the fit, has prevented it.

Dr Brown mentions a patient cured by bleeding, who afterwards was seized with a dropsy, from the manner he mentions it, I suppose he means to reprobate the practice, but in some cases I believe it may be safely followed, there is frequently some excess of action in Epilepsy. May not this be taken down, with propriety by bleeding & then Tonics used? As the Nervous fever is never cured, till the tone is taken down. Why may we not do the same in Epilepsy

Hysteria

This is the same disease as the former, only attended with less action and more debility

It is known by a gnawing or rumbling in the bowels, a sensation like a ball turning in the belly, ascending to the stomach & throat, & there threatning suffocation, sleep, Convulsions, attended with fickleness of mind, or as Dr. Sydenham says "Constant only in inconstancy"

It has been called a Protean of Diseases, & indeed counterfeits almost every disease. One half of one third of Hysteric Diseases is left by two thirds of fevers.

It appears in the form of various diseases, Apoplexy, Hemiplegia, Cholera-Morbus,

Dropsical swellings, of the hands & feet, which are distinguished from true dropsy by appearing in the morning, & not pitting, Dyspepsia, Palsy, Ischuria, Lumbago, Sciatica, Coldness in the Extremities, a small spot on the head called Clavus Hysterieus besides these, it has symptoms peculiar to itself, as, despondancy, Fears, sobbing, Love, hatred, anger, Tremors, wakefulness, & frightful dreams, these are all excited by the slightest causes, and likewise the reverse of all these.

A very common thing is to see the patient in a most violent fit of Laughter, and as quickly that changed into one equally violent crying, & this without any appreciable caus

For a description of a Paroxysm see Doctor Cullen. Women are more liable to this disease than men, It generally appears in women from puberty to thirty five, sometimes after thirty five, from forty to forty five, it principally affects women of sanguinely plethoric habits, & maids, women of masculine habits, it sometimes attacks before puberty "A child seven years old affected with Hysteria.

Widows & barren women are likewise very subject to it

It is distinguished from Epilepsy by no foaming at the mouth &c.

The predisposing cause is debility connected with Innanition, or Plethora

The remote causes are

1st. Excess or defect of the Menstrual discharge, or obstructions of it

2 Leucorrhoea, or fluor Albus.

3d Lasciviousness, and debilitating drinks as, strong Teas, &c.

The Proximate cause is a mixture of excess & defect of action in the Nervous system.

The functions are less disturbed than in Epilepsy, this is the greatest difference between them

It is more curable than Epilepsy, a great degree of mobility, occurs in this Disease, but the Excitement is weak.

The Order in which, these Diseases stand is.

1st Tetanus

2d Hydrophobia

3d General convulsions.

4th Epilepsy

5th Hysteria

CURE

The Indication of cure is, to change it to regular excitement, this is effected by stimuli. —

1st Cold Bathing, air bath is sometimes better, and may be used when cold-bath cannot be had, this is obtained by setting in a cold Room, till you are quite chilled, & then going into a warm one.

2d. Stimulating Gums, as, Assafœtida, Myrrh, Galbanum, Sagapinum &c.

3d. Stimulating application to the bowels, a Galbanum plaister applied externally is very good.

4th. Tight compresses round the Abdomen Vanswieten relates a case of a lady cured by being tightly wrapped up in bandages, it acts by giving Tone to the whole system

5th. Accommodation of Diet to the state of the system.

6th Exercise particularly riding on horse back

7th Constant pursuit of some invigorating employment.

of all others the business of attending in a garden is the most agreeable for women. She should be made to interest her self in the growth, disposition, beauty, & nomenclature of herbs and flowers, in importing & cultivating foreign ones, & in introducing all the various productions of our country that are unknown now or are disregarded - She should be engaged in the pleasures & tender cares of a family, and this should be repeated to her to encourage her that few good house women are subject to this disease. It is only those who have no cares on their minds, who are troubled with it. A Lady of this city was subject to Hysteria, complaining to another of her misfortune, asked her, if she could tell her any remedy? "pray" said she, to heaven for some real misfortune

8th. The excitement of some steady passion (which is different from Emotion, as that often brings it on) Fear and grief have often cured it, but the delightful enthusiasm of true Religeon, has a considerable influence in curing this disease Mr. Whitefield told me, that several women who had formerly been Hysterical, had joined his church & became interested in the duties of religeon, had ceased to be affected with Hysteria A Hysterical woman Loosing her Husband generally looses her disease

9th Cold Climate or cold air

The remedies in the fit are,

1st When great plethora attends, bleeding, cold air Clysters

2d When Costiveness, Purges

3d. Opium if spasms are present

4th. Stimulating applications to the nose, as Volatile salts, burnt feathers &c. & cataplasms of Garlic applied to the feet.

5th. Pediluvium.

6th. If there is flatulence a Clyster pipe without a bladder, introduced into the rectum, cures it.

Lecture 39th

Chorea St. Viti

This disease attacks those who have not yet arrived to the age of puberty, generally within the tenth or fourteenth year, with a convulsive & ludicrous motion, common to both sexes, commonly of one side, with a partial affection for the most part of one thigh or leg, rather dragging one of their legs after them, than lifting it.

For the history of this disease see Dr. Cullen.

The predisposing cause is debility

The Proximate cause is excess or defect of action

It is often connected with worms

Dr. Sydenham recommends bleeding, but I think it is seldom useful or necessary. — Chalybeates are generally exhibited, but if nothing is given, it will go off at the age of Puberty. A Lady of this City who lived to 40, had this disease when young, died paralytic of one side, perhaps that side had been so affected when she had this disease, as to make it weak this life.

The next Disease is

Asthma.

I define it to be a difficulty of breathing coming on in Paroxysms, with a sense of straightness in the breast, & a noisy respiration, in the beginning of the Paroxysm, there is either no cough at all, or the coughing is difficult.

55.

but towards the end there is frequently a copious expectoration.

Asthma is distinguished from Dyspnoea, by not being constant, & from peripneumony, by not having much Pyrexia or cough.

The predisposing cause is Hereditary debility, from Malconformation of the breast, or acquired debility, & is often connected with Plethora. that this is the case I infer from the habits which it affects, & from its coming on in the night, when there is most debility.

Exciting causes are.

Dry or moist air, & changes of the weather from heat to cold & the contrary, Dust, certain winds, certain passions of the Mind - and certain odours repelled eruptions

indigestable food in the stomach, Pregnancy &
& Gout. Any thing that debilitates will bring
it on in persons predisposed to it

The Proximate cause is, excess or deficiency
of action in the vessels of the lungs. —

Asthma is divided the,
1st Spasmodic &
2d The Pituitous.

When there is most action it is called
Spasmodic, when least it is of the Pituitous
kind, as it has been called, but this distinc-
tion is as improper as the distinction of Apo-
plexy into the Sanguineous & serous,
for when there is great action, little effusi-
on takes place in the lungs.

and where there is defect of action great effusions will take place

These species will change into each other, the spasmodic coming on in the beginning of life, will change into the Pituitous in the decline of it

The Pituitous is always connected with deficiency action, this principally occurs in the decline of life. Dr Jones is a striking instance of this, when he lived in Newyork in the former part of his life, his asthma was spasmodic, now that he is about 70 his asthma is Pituitous. —

For the History of this disease I refer you to Doctr Cullen. The principal in this disease is an uneasiness in the breast. —

in this stage, bathing the feet in warm water, & a gentle Anodyne will prevent it.

If it is neglected & it goes on to excess of action, the remedies are,

1st Bleeding, from 8 to 10 ℥, Mr. Pope writes to one of his friends, that he feared he had not long to live, for his usual Remedy, for his asthma, (bleeding), had failed, accordingly he died soon after.

I had a patient who was constantly relieved by bleeding for 9. or 10 years

2d Cold air, Sir Jno Floyer who was subject to this disease, & has written an excellent treatise on it, mentions that when he was attacked in the bed, his first remedy was to jump out of bed, open the windows, & sit in the cool air & he was always relieved by it

3d Vomits.– Dr Akenside recommends particularly Ipecacuanha, but is of little consequence what Emetic is used.–

I have used Ipecacuanha, squills, & Tart: Emet: equally well in this disease, & I know no difference in them.–

4th Lenient Purges.

When debility of action commences, we must have recourse to other Medicines, & these are Stimulants.

1st Opium

2d Squills & Gum Ammoniac.

3d Warm Air, Sir Jno Hawkins relates of Dr Johnson he received an invitation to dine, when troubled much with the Asthma, his difficulty of breathing was very troublesome as he went to the house,

and was not diminished by being removed into a cold room - A fire was kindled, & as that burned the Dr's Cough & difficulty of breathing grew easier, till the Room being perfectly heated he no longer felt them

4th Vapours is very useful, this sometimes should be made more stimulating by the addition of a little horse radish, put in the vessel from which the vapour arises

5th Blisters, to the wrists.

6th Pediluvium, this is only to be used, when excess of action is taken down

Dr Cullen says that this disease, has seldom been eradicated, but may be rendered less violent. The only secret of our art is to know & distinguish the two stages in all diseases

Preventatives

1st. Occasional Bleeding when there is Plethora

2d. Avoiding indigestible food, & full meals.

3d. Living in Climate suited to the disease.

very pure air is injurious &c.

Sir Jno. Floyer says the air of London relieved him. A Citizen of Philadelphia was relieved while in London.. High places are injurious to Asthmatic Patients, as in general there is little moisture in their air. and a certain degree of moisture is beneficial.

A Gentleman who belonged to Providence, & was troubled with Asthma, travelling towards evening was caught in a thunder

Storm, to avoid the storm he went into a cave, & the Rain continuing, was forced to spend the night there, the Cave was rather damp, but notwithstanding he fell asleep there, & was much surprised when in the morning he found himself without his complaint, he afterwards returned home, but was unable to sleep with quietness in his house, he then had a bed carried into the cave, & slept every night there for a long time after. Dr. Reid mentions near Henly in oxfordshire, a place cut thro a Rock, the thermometer stood there at 43°. while it remained at 38°. in the open air, the air asthmatic patients breath here easily, this is owing probably to the dampness of the place.

Travellers passing over the deserts of Persia, carry Sponges moistened, this is very necessary, as the great heat occasions almost all of them to be Asthmatic at the time of their journey

Stoves are injurious by taking away from the room, the necessary degree of moisture, but the disagreeable effects of them are remedied, by placing a cup of water on them, which evaporates as the stove becomes hot, & keeps up the necessary qu.t of moisture in the room.

4th By setons – if Plethora should attend

5th Avoiding all occasional causes, particularly cold feet, & the transition of heat & cold

6th Pregnancy - Case of Lady whose Asthma was suspended during pregnancy. —

7th The Indian mode of life - a certain Mrs. Lowry, who was taken by the Indians the war before Last, was subject to Asthma, while she remained with them, which was 7 or 8 years, she was not troubled by it, but when she returned home, her disease returned.

8th Returning to old habits. I was consulted by a lady who had the Asthma, I asked her if she had left off the use of any thing to which she had been accustomed, she said she formerly used snuff, but had left it off, & the disease had seized her since its disuse.

I then advised her to return to it accordingly she did, & recovered.

The Next disease is

Cynanche Trachealis

This disease usually comes on in the night, It affects the same person oftener than once, & is seldom attended with inflamation, but is mostly spasmodic.

Its Diagnostic symptoms are, difficulty of breathing, noisy & squeaky Inspiration, loud cough &c.

I divide it into two species spasmodica & Humoralis, the predisposing cause of this disease is Debility

Its Exciting causes are, variable weather, and indigestible food, I know two cases of its being produced by cold liquor being poured on the patients, one was a boy had a bowl of punch spilt on him, & was seized with it soon after the other was a girl who had a pail full of water thrown upon her, & was taken almost immediately after.

The Proximate cause of this disease, is, the same as of the Asthma of Adults.

It resembles the Asthma in Adults, it is seated in the vessels of the Bronchia, but extends to the Trachea, the membrane which is formed in the Trachea is an effect of the disease not the cause.

& arises from the difficulty of throwing up the mucus, which allows it to inspissate. It is considered by some as the cause of the disease, but it is merely the effect, & as much so, as tubercles are the effects of consumption

The Cynanche Trachealis spasmodica is known.

1st By its coming on suddenly in the night

2d Having a perfect intermission of symptoms for hours, & sometimes days, without any discharge

3d By yielding to stimulants, & antispasmodics, particularly the warm bath.

The Cynanche Trachealis Humoralis is known

4th By its coming on gradually, & mostly in

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the day time, attended with a little cough, rotatory eyes &c: this is by far the most alarming of the two

2d By its continuing, & creeping for several days without any abatement of its symptoms

3d By a discharge of mucus from the Trachea, & the occasional appearance of the mucus in the stools

The Bronchea & Trachea of children abound with much mucus, & when it is accumulated in preternatural quantities, they are unable to bring it up, It is not difficult then to account for the formation of this membrane, for it is analogous to what takes place in the nose

The patient never dies before the third, & seldom before the fifth day.

The Remedies in the Cynanche T. Spasmodica are

1st. Bleeding particularly if connected with Pneumonia

2d Vomits.

3d Purges.

4th Opium, warm bath, Asafoetida & blisters.

The remedies in the Humoralis are.

The three first for Spasmodica, and Calomel, it should be given in large doses when it first appears, it acts by increasing the secretion of mucus in the Oesophagus, stomach, & bowels, thereby lessening it in the Trachea, & in this it is analogous to what happens in the other excretions of the body - when the Urine is diminished, Perspiration is increased &c. Since these distinctions have been adopted, the disease has seldom been mortal.

70. I have had an opportunity of opening two patients who have died of this disease.

In one case the lungs were perfectly sound, they & the Trachea quite free from mucus and not inflamed, but appeared to be purely spasmodic

The other had all the symptoms of Cynanche T. humoralis, but there was no membrane; I found however about two spoonsful of mucus in the Trachea, & the Bronchia were full of it.

The next disease is

Dyspnœa.

This complaint differs from Asthma in the difficulty of breathing being perpetual &c

Its causes are the same as of Asthma.

It likewise arises from tumours on the Trachea, from fat, & water in the thorax, abdomen &c. I have seen one case of tumour producing this disease, Morgagni mentions one, & Dr. Say of this city, had one case this winter.

The remedies are the same as for Asthma with the addition of removing the obstruction if possible.— To these may be added a disease seldom seen, & little known

The Angina Pectoris.

I have only seen it once, & then it terminated fatally. Doctrs. Fothergill & Heberden have left something upon it, but our observations are not perfect enough to admit of the formation of a system.

I think it is a spasmodic disease, and suspect it to be of the nature of the Gout. It comes on with great pain, & particularly when going up a hill, or a pair of stairs Dr Huhn told me that he had seen one instance of it

The next disease is

Pertussis

It is a cough of a convulsive nature from contagion threatning strangulation, is very sonorous, & frequently accompanied with vomiting

For the history of this disease I refer you to Dr Cullen. Children are most subject to this disease. I have seen it in three adults There are three stages in this disease, one with excess, the other with deficiency of action

73.

In the beginning when there is excess of action the remedies are.

1st Bleeding this is absolutely necessary, and the pulse, disposition to hemorrhagy &c all indicate it.

2d Vomits - they are of the utmost consequence, Squills, Ipecacuanha, Antimonial preparations, Tart: Emet: should be occasionally used

3d Purges of Rhubarb & Calomel, they are only proper when excess of action is present To these Remedies we may add cold air, and fear, there used to be a man in this place of the name of Butler who kept a bear the Children who had the cough were sent there to ride the bear, the fear that the bear

would bite them if they coughed made them stifle it, which not unfrequently relieved them

In the second stage when the disease becomes habitual - the remedies are stimuli

1st Opium.

2d Oil of Amber.

3d Tincture of Assafoetida, & garlic, this is particularly excellent.

4th Tincture of Cantharides is recommended

5th Dr Buchan recommends as an external application, a pitch plaister applied between the shoulders

6th Blisters to the neck or sides

7th The sedative action of fear is only proper when there is excess of action, as in the beginning of the disease

8th Gentle exercise, change of residence, & air. There are many superstitious remedies for this disease

8th. Gentle exercise, change of residence & air. There are many superstitious remedies for this disease - &c.

Lecture 40th

Pyrosis. - or Water Brash.

It is a burning pain at the pit of the stomach, with plenty of aqueous humour belched up.

It is sometimes called Gastrodynia, but this is only a symptom

For an account of this disease see Cullen.

It is a spasmodic disease, & is a mixture excess & defect of action.

It is to Dyspepsia, what Hysteria is to Hypochondriasis &c.

It affects men & women of a middle age, & is occasioned by all kinds of diet, particularly a vegetable one, together with the Passions of the mind, & cold feet

The Remedies in this disease are Bitters & Chalybeates, but Dr. Cullen says they are inaffectual, Opium is proper during the pain.

It is a rare disease in this country, on account of our eating more Animal food in general

The Next disease is

Colic

I define it to be a pain & twisting about the navel, the Bowels being generally costive.

& vomiting, In the Colica-pictonum costiveness is not always present.

For the History of this disease see Dr Cullen

The predisposing cause of this disease is debility, when the disease is local, the debility is indirect, but when as is generally the case, the disease is of the whole system, the debility is direct.

The remote causes are, a sedentary life intemperance in eating & drinking, particularly, such things, as are indigestible, drinking acids & half fermented liquors, & the fumes of Lead.

Exciting Causes

Are, excess in eating or drinking, all which predispose to it, Costiveness, Bile (Dr Quin thinks that Lead does not produce the Colica Pictonum. —

but that is owing to bile) Ruptures, stones of fruits imprudently swallowed under the belief that they will help the digestion. Calculi in the Kidneys, Blisters; improper food; tight ligatures & dresses, cold feet strong teas, & passions of the mind.

The proximate cause of this is excess or deficiency of action in the muscular fibres of the Alimentary canal accompanied with spasm &c.

Spasm alone does not constitute colic. because we find it in Hysteria &c.

That there is excess of action in the alimentary canal, appears from Inflamation & mortification of the intestines, & from the pulse

The precursor of this disease is, gentle pain, when it first comes on there is seldom much action in the pulse. —

in this stage a few drops of Laudanum seldom fails of removing it. I knew a gentleman when he felt it coming on, to take 20 drops of Laudanum, & it prevented the disease, after he had thus removed it for three times, he had never an attack after, the quantity of Laudanum here should be small

The Remedies are

1st When the pulse is full, & there is excess of action, Bleeding is absolutely necessary. — Dr Cullen recommends it indiscriminately I have found it necessary when the pulse was not full, & Dr Quin says it will always rise upon bleeding, I have been forced to use bleeding, after Opium had been given to no purpose.

Lenient purges, as, Castor oil, Crem: Tart: & purging salts - Dr Heberdens Method was to dissolve the salts in water & give them in repeated small quantities, the late Dr Cadwallader of this place gave Crem: Tart: only dissolved & in repeated small doses of ℥ss for four or five days, interposing occasionally the use of Opium.

3d Emolient Clysters Dr Cadwallader never administred them till the bowels were well impregnated with Crem: Tart:, during the use of these medicines Laudanum must be given in small doses, to suspend the pain

In four instances I have given Clysters of cold water, that is, water 20° or 30° lower than the heat of the body, this often does good, from the quantity alone, it should be given from ℔j to ℔ij & I have heard of a gallon

being given with advantage - as it is necessary to throw it in forcibly, a Clyster syringe is better than a bladder & pipe in all the cases where I employed it, it was after bleeding, it first procured a discharge of wind, & afterwards the faeces In one case it gave most sudden relief &c.

4th After excess of action is subdued, Opium may be given in larger quantities & likewise more acid purges may be employed, as Rhubarb, & calomel joined to Asafoetida

5th The semicupium is excellent here, tho not while action is unsubdued. I have seen it act like a charm, after Opium has been used to no purpose.

6th Warm & stimulating applications to the Belly

7th Stimulating Clysters, which stimulate from their quality, as Turpentine, smoke of Tobacco, — sometimes relief is obtained by a large quantity of air & water thrown into the bowels.

Relief is seldom obtained till scyballa appear together with a discharge of wind

8th — Blisters to the thighs these were first used by a Jew &c.

9th Cold water thrown on the feet, the feet & bowels are intimately connected, & here it produces a Revulsion, which serves still further to confirm the Doctrine that Colic is a disease of the whole system

I have known two cases of Colica Pictonum, relieved by a discharge of worms

To prevent a return of this Disease every thing should be avoided which produces it, as excess in eating meat, half fermented liquors should be avoided particularly at night, strong teas, tight Ligatures as of shoes &c. by obviating Costiveness, there is a purge very common here among the lower class of people, very useful for this intention it is composed of.

Crude Tartar
Cream: Tartar &
Salt of Tartar in equal parts

two tea spoonful may be taken at any time when Costiveness attends, by avoiding Cold & wet feet; by wearing flanel next the skin & gentle exercise particularly on horse back

The Next Disease is

Diarrhea.

I define it to be frequent stools, sometimes bloody, without any primary Pyrexia, & the disease not infectious. It is a disease of the whole system; when it is confined to the bowels it is seldom of long duration. It being produced by hard dentition, passions, cold feet, and fevers, all prove it to be a disease of the whole system

There is in every stage of life some part of the body most commonly affected by causes which produce disease. in youth almost all the diseases affect the Lungs the head in old people; & in middle age they are thrown upon the bowels

85.

Between the age of 30 & 40 it most commonly attacks

There is often a particular as well as a general debility in this Disease, & is often produced by causes, which act on the alimentary Canal primarily, as, acrid substances received into the bowels, impure water, stimulating putrid or acrid aliments — Acrid humours as bile, pus, or acrid matters poured into the intestines from the mucus follicles. May not Diarrhoea in the last stage of Consumption be owing to an absorption of the matter in the Lungs, & a Deposition of it on the intestines? May not that which appears in pregnancy be brought on by the striking in of the Erythematica Erysipelas?

Worms cause it &c. it produces obstructions in the Lacteals & Mesentery particularly in children

Diarrhœa from habit often follows the Dyssentery, the appetite is good to the last hour in this disease.

In habits predisposed to it, it may be brought on by a purge.

The procumate cause of this disease is preternatural action from excess or defect in the Muscular fibres of the Alimentary canal - It is sometimes an obstinate disease & has continued for 10, 16 and 20 years. hence probably the action in this disease is of a mixed nature

The Remedies are

87

1st Bleeding - there is only one case from simple excess of action, occurring from Plethora in pregnancy, where it may with propriety be administered, & here the pulse must determine the quantity.

2d Purges, they are generally improper, I think there is none proper but Rhubarb, for this alone has cured the disease. It is best when toasted.

3d Vomits of Ipecacuanha, they determine to the surface.

4th Opiates every night, I once knew an obstinate Diarrhœa cured by pills of

Rhubarb } aa
Ipecacuanha } gr ij
Opium — gr ß

5th Astringentes, as, Gum Kino, allum, extract of Persimmon it is said to be very powerful, white-Oak bark, Tormentil root, & Port wine

6th Certain Stimulating substances, as, bitters of all kinds, but they are seldom useful, unless mixed with Aromatics, as. Cinnamon &c.

Toasted Bread in burnt Brandy eat for supper, Balsam Copaiba, & Turpentine pills — Case of a person two years ago in the Hospital was cured with these pills & I have had one similar case in my private practice

7th. Certain Demulcents, as, the Decoction of Gum Arabic, or shavings of Hartshorn &c called the white decoction, Mullein leaves boiled in milk, & just boiled in the same Clysters of Rice Jelly, with a little Ipecacuanha & opium grs ii Some tried it with advantage

8th. Diarrhoea often arises from Acrimony, Peppermint or Chamomile tea are then proper, a Gentleman was cured by drinking three pints of Coast & water, & never had it afterwards; did this act by dilution, or quantity?

9th. Blisters, sometimes cure it, but if not they suppend it, they should be applied to the wrists, they will always answer.

9°. while they cure, & when they cease new ones should be applied, in this manner the of fons will be cured

10th. a Suitable Diet, when acidity prevails which may be known from the Green stools, Animal food may be given, when there is alkalescent Acrimony which is known by dark coloured stools, vegetable food may be given. —

It is on this ground that ripe fruit particularly Strawberries have performed a cure

11th. Exercise on horse back &c.

12th. Sea voyage

13th. Some cured a Lady by changeing the pump water. —

91. Doct. Lind relates the case of one who for two years infected all those who used the same privies

14th. I have seen two cases cured by the Pleurisy, one a gentleman, & the other a Lady. This is another proof of its being a Disease of the whole system

Palpitatio

I have nothing to add to what you will find in Dr. Cullen

Singultus

It is a convulsive motion of the Diaphram. It is Idiopathic & Symptomatic It occurs after Laughing, & is occasioned from over distension of the stomach from wine

92. This disease is cured by a fright, by certain Stimulating substances, as, oil of Amber, Sugar or Ginger &c. by holding the breath, by a draught of porter, and lastly Opium

It is an obstinate disease. I knew one case in this city when it continued two weeks— and heard of a gentleman in Virginia who had it two years with little intermission. There was a young lady in Warren in Connecticut, who had it without intermission seven months in the eighth month she was cured by removing the original disease viz: Suppressed menses

Dyspepsia

I define it to be a want of appetite, vomiting, flatulency, Acid Eructations, Pain in the Stomach called Gasthodynia, heartburn, & for the most part costiveness

It is Idiopathic or Symptomatic, I shall only treat of the Idiopathic.

It is produced by causes which act directly on the Stomach, or indirectly thro the medium of the whole system.

Those acting directly on the stomach, are

1st. Strong teas "Case of a Physician who died of apoplexy in the fifteeth year of his age"

Strong Coffee, the habitual use of bitters

producing indirect debility, Aromatics, opium, Tobacco, & ardent spirits

2d. And aliment of all kinds

3d A frequent repletion with gross food overstretching the stomach.

4th A frequent repletion with watery liquors either hot or Cold. Case of a Gentleman from this cause &c.

The practice of drinking Cold water either going to bed or after rising in the morning is very bad. Hoffman Condemns it

5th The practice of swallowing without sufficient Mastication, called bolting this common to men of business & study

"He that cheweth not his ~~own~~ food sinneth against his own life saith Confucius

6th. Frequent Vomiting

7th. The rejection of saliva by smoking.

8th. Sugar or any sweet in too Large quantities

Dr. Hoffman mentions a case of a Lady from this cause – I was lately consulted by a grocer for a Dyspeptic complaint, on inquiring I found that he attributed it to having eaten too much of sugar.

He was obliged to buy very often, & generally tasted of every specimen,

He sometimes tasted of 20 or 30 lbs. in a day

Those acting indirectly thro the medium of the whole system are

1st. An Indolent life.

2d. Vexation of mind.

3d Excess in Venery.

4th Intense study, particularly when long & late continued, with the body bent

5th Frequent Intoxication.

6th Moist & cold air.

7th Frequent sailing.

8th Pregnancy. —

The predisposing cause of this disease, is, general or Local debility. —

The proximate cause is deficiency of action in the whole system, & particularly in the muscular fibres of the stomach

1st There is a wonderful accommodation of Diet to the state of the stomach

2d There is an Intimate connection between the stomach & the other parts of the body

97. Its connection with every other part of the body caused Mr. Jns. Hunter to call it the seat of the soul, & Dr. Cullen the Index of the body.

A respectable Clergyman was always peevish till he had eaten his breakfast

Lord Chesterfield &c.

The Duke of Marlborough says, that were he to choose an army for an immediate engagement, he would have Englishmen after a full meal, Irishmen drunk, and Scotch-men hungary. Cardinal de Retz carries this Idea still further, he says he would never risk a motion, that he wished to carry in a popular assembly before a Dinner. —

1st. The most frequent cause of this disease is vapid aliment — In our Country the persons who suffer most from Dyspepsia from this cause, are Germans, this arises from the great use of Cabbage & Sour Krout

2d. The intemperate use of Ardent Spirits Some of the symptoms which point out this are sickness, & vomiting, tremors in the morning, till after a dram, a bloated face sometimes having a rosy appearance no appetite for breakfast till tone is given to the stomach by a dram, a peculiarly offensive breath, burning of the palms of the hands, & soals of the feet, dry skin & viscid saliva, these are the first set of symptoms but afterwards others appear,

as swelled Legs, Visceral obstructions Epilepsy, Dropsy, Mania, Jaundice, Apoplexy & death. —

Persons most liable to this disease from the intemperate use of Spirits, are,

1st Schoolmasters, two thirds of them are sots, Anthony Benezette has told me, he was preserved from being a drunkard, by the use of Tea alone

2d Smiths. —

3d Sailors

4th Soldiers

5th Coachmen. Who ever heard of a sober Coachman? —

6. Physicians, a Country Physician informed me, that he preserved himself by substituting Coffee; Necessity & ignorance have led all to the use of Spirits, those persons who grow weak & languid, frequently have recourse to rum, in order to supply the defiuent stimulus

The Romans kept up the proper degree of excitement by Onions & Garlic & the Jews supported themselves under the heavy hand of Egyptian bondage by eating garlic.

Remedies

We shall now go on to treat of the remedies in this disease. — These are

1st. Palliative, or

2d. Radical

101 The Palliative remedies are,

1st. Magnesia & lime water.

2d. Alkaline Salts. —

3d. Common salt particularly after dining on fish. Case of a Lady who was ~~obliged~~ obliged to take a teaspoonful of salt after dinner to enable her stomach to digest the food

4th. Common salt & lime juice

5th. Milk, this destroys the heart burn when from acidity, the acid being enveloped in the curd. —

6th. Opium, it eases pain & is best given in peppermint tea or water — not long since a Physician who was here on a visit breakfasted with me, just before eating he drew a box from his pocket & opening it, he took out,

a small Pill & swallowed it, on enquiry, he said it was a grain of Opium, & he could not retain his food without it.

The Radical remedies are.

1st. Avoiding all the remote causes

2d. Vomits, as, White vitriol, & Ipecacuanha, Vomits are now less used than formerly, & the cure of Dyspepsia may be safely undertaken without them.

3d. Stimulants, under this head are comprehended.

1 Vegetables

II Saline and.

III Metallic substances

Under the first division are

1st Vegetable Bitters, as, Chamomile, Gentian, Wormwood, Centaury, & particularly Columbo, This should be given from ℥j to ℥ss. in substance, or in Infusion. It is best when infused only for 24 hours, these bitters should not be used for a long time, for they tend to induce Indirect debility. —

2d Acrid Vegetables, as, Mustard, Horse-radish, & particularly Garlic, a clove of this may be taken every day.

The Nut-meg, & Spices are too powerful. Garlic is the most agreeable.

To these may be added: Juniper berries, orange peel, Anise & Fennel seeds, infused in wine, water or spirits, Dr. Cullen recommends Bark, but I do not know its use

3d Saline & Metallic substances, as powdered

10 ℔ steel, from x grains to ℥ss. for a dose, morning & evening. Sal martis in pills &c

4th. A diet accommodated to the disease, this is of the utmost importance, & should be regarded in respect of,

1st. Quality
2d. Quantity
3 Time of eating

1. In regard to Quality, those are best which are most Animalized, as, beef, Mutton, Venison, wild fowl, & particularly Oysters, Salt meat, of these the parts nearest the bone are best, & the roasted digests better than the boiled

Food is either absolutely or relatively nourishing, thus ℔ij of Jelly is more nourishing than one pound of beef.

but in this state of the stomach as it can not be so easily digested, it is not so much so.

II In respect to quantity the meals should be frequent, but small, six meals a day are better than three, gravies & broths of all kinds are inferiors

Biscuit alone should be eaten with the meals & no drink taken. The patients should not drink immediately before eating, during the time of eating, or immediately after eating because

1st When there is but little water in the stomach it is less liable to a rapid affected fermentation

2d The food lies more in contact with the stomach & is less liable to pass too soon over the Pylorus

3d. It is more properly fitted for the action of the Gastric Juice, than when there is much water in the stomach

4th. It is less liable to be washed over into the duodenum before it is fit to pass there.

To render food effectual, each kind should be taken alone. If the stomach rejects food it may be given to the patient in bed, Mineral waters have been retained when given in this way, & sea sickness is less apt to attack a person when lying on bed, indeed there are cases where a man will be more fatigued by putting on his clothes than by walking thirty miles

Dr. Sydenham recommends lying in bed in mania from debility.

107. Not only Animal food has cured this disease, but vegetable also. — Turnips & milk are recommended & have succeeded, & I can easily conceive why they should, for they are both gently stimulating, and are accommodated to the Excitabelely of the stomach

The Milk of Cocoa Nut is very good I have made use of Almond milk with advantage, instead of Cows milk, this is made by triturating them in a mortar & then pouring water on them &c: perhaps if they are taken alone, it will help them to lie on the stomach

It is common to forbid, butter but I have not found it hurtful, It is well known that it helps digestion, and agrees perfectly well

with the delicate stomachs of Children.
from its stimulating & nutritious qualities,
I forbid it in diseases of plethora, but in other
cases I see no propriety in denying it to the
patients, when it is well received by the
Stomach it may be used freely in dyspep-
sia

Dr. Fothergill tells a story of Dr. Mandeville,
he was one day dining with the Earl of Mac-
lesfield, as the dishes came on the table,
the Earl asked the Doctr. if such a thing was
wholsome - do you love it? says the Doctr.
yes, replied his lordship, Does it agree
with you? said the Dr. very well answered
the Earl, then eat it returned the Doctor

The Stomach should never be quite
empty for it favours spasm & flatulency
Eggs & particularly the yolks are good

The drinks should be Madeira, Cherry, or Lisbon wines, or Porter, if they do not agree with the stomach, it has been usual to allow brandy & water to the patients, but the remedy is worse than the disease.

Dr. Fothergill reproached himself at his death bed with having made many sots, by allowing his patients Brandy & water, he was accused of it publickly in St. Thomas's Hospital by Dr. Hawk, this coming to Dr. Fothergill's ears, he waited on the Dr. & desired an explanation. Dr. Hawk told him that he really believed what he had said, but that he did not mean to attaint Doctor Fothergill's Character or Morals, as he believed no body was better but that he ascribed it rather to an error of judgment, than intention this satisfied him

A Case however happened, which entirely broke him off from prescribing spirits. a young Lady a relation of his being sick he prescribed ardent spirits for her, she recovered, but became a sot afterwards & died one. He afterwards much reproached himself & never made use of it again.

Simple or Toast water, if the stomach can bear it are the best drinks, and when a stimulus is wanted, Chamomile tea may be used, this very soon becomes agreeable to the patients, I have heard of two tea cups full of warm water drank for six weeks in bed before rising, perform a Cure, but it is not necessary to use it so long to be serviceable

111. When the disease arises from the excessive use of warm spirits, they must be left off entirely. People are apt to be afraid of doing this, but I never knew an Instance of its being hurtful.

Dr. Lettsome indeed relates one, but it is one of a thousand, when there a total or sudden abstinence from spirituous liquors Wine or beer may be substituted for a little while, but strong bitters are better

I knew a Negro who was cured of that execrable Love for rum, by its having been mixed with Tartar Emetic, & another case where an Eel had been put in it

It was probable by raising the association of Ideas, that Moses cured the children of Israel of Idolatry, by means of something he dissolved a golden Calf. probably it was by Hepar Sulphuris, this mixture is very Nauseous

by obliging all the people to drink of it they could never after lift up their souls in prayer to Idols, without the idea of the execrable draught they had taken, & thus were prevented from that sin

If every thing failed, the influence of religion should be called in which has often succeded & saved men in this situation

When the disease arises from sea sickness the remedies are.

1st Laxatives

2d Opium.

3d Tying up the stomach.

4th Lying with the heels higher than the head

5th By keeping some aliment in the stomach

6th Cold Bath.

7th Brand & salt water, a gentleman told me he always prevented it by losing a little blood

Dyspepsia arising from pregnancy I shall treat of hereafter

Hypochondriasis

It is so called from its affecting the Hypochondriac region, the obstructions which are found there are the consequences & not the causes of the disease

It is a disease of the greatest deficiency of action of any that is connected with spasm

I define it to be a Dyspepsia with fear & distress. Spasmodic affections appear in the bowels & stomach, with flatulency & gastrodynia &c.

I have brought this disease in here for the same reason that I did Gout in the end of inflamatory diseases. because it was much connected with the order of diseases which follows. It is connected with Spasmodic Diseases only by two evanescent symptoms.

The Proximate Cause is deficiency of action in the stomach & alimentary Canal accompanied with similar deficiency in the whole system.

The causes of this disease are the same as those of Dyspepsia

It is often brought on by affections of the mind, fluor albus, repelled eruptions, and bleeding piles.

It is distinguished from Dyspepsia

1st. By having less spasm & no vomiting the irritability of the stomach being worn down.

2d Its being attended with greater & more durable & steady apprehensions of danger & evil.

3d By the symptoms of Dyspepsia being often symptomatic. —

4th By the dyspepsia being a common & frequent Disease, the Hypochondriasis as rare a one

5th By dyspepsia occurring in early life the Hypochondriasis in advanced life.

It is distinguished from Hysteria

1st From its having no Globus Hystericus

2d From its affecting men more than women

3d From its affecting those who lead a sedentary life. —

4th. From the alternate Diarrhoea & costiveness which attend it.

5th. From its being relieved by warm and injured by cold weather, this being just the contrary in Hysteria

6th. By its being accompanied with dyspepsia & constant low spirits.

Hysteria & Hypochondriasis differ only in that the last is a higher degree of the same disease, here then the controversy which has so long agitated Physicians ends. Hypochondriasis is then to Hysteria, what the Typhus is to the Typhoid Diathesis. as the Typhus differs from the Typhoid in its remedies so does Hypochondriasis from Hysteria &c.

117 Hysteria passes into Hypochondriasis, but they do not always precede & succeed each other. The link which connects both is Dyspepsia.

Doct. Cullen says that Hysteria is a disease of the sanguine, the Hypochondriac of a melancholic temperament, & I think I have seen the last mostly affect men of dark complexion, there is an excess of the venereal appetite in the Hypochondriasis this is said to be cured or restrained by Camphor, & the Monks are said to use it for this purpose. — Some times the two diseases are blended together, and is this more difficult to cure?

The Hypochondriac is distinguished by Melancholy, in the first, the apprehension of fear & danger is confined to himself, but in Melancholy they extend to external & less interesting objects

Cure

All the remedies in Dyspepsia are proper here, but all are not effectual.

The preparations of steel & bitters, make no impression upon this disorder, they are not injurious, but only inert, on account of the great defect of action in the system

The Cold-bath is hurtful, the body having too much torpor to be affected by the subsequent application of warm air & hence must prove injurious by increasing the debility.

The Remedies are

1st Those that are adapted for the body. &

2d Those suited for the Mind.

The first of these comprehends.

1st The Warm bath

2d. Warm drinks, as, tea & coffee, these are highly grateful— Cold drinks are injurious, when Cold drinks become disagreeable it is a certain sign of an approaching Hypochondriasis

3d. Opium is the best remedy, from its good effects in those diseases where the mind is affected, it has been called the Medicina mentis

4th. Ardent Spirits have been given, but the remedy is worse than the disease. I am much afraid that Dr. Brown has done more injury to mankind, by introducing those poisons into the Materia Medica again, than all his useful and elegant discoveries will do good.

5th Madeira & Sherry Wines - I once cured a gentleman by recommending wine to him, I met him in the street, where he asked my advice, at the same time telling me his case, I then advised him to go home and drink his half pint of Madeira wine a day. not long after I met him again in the street, when with a smiling face he told me, that he had drank his wine & intirely recovered from his disease.

If these fail - then

6th Mercury should be given, I have often cured this disease by raising a plentiful salivation, this acts in two ways.

1st By stimulating the System.

2d. By diverting the mind to another disease viz. soreness in the mouth.

3d. Exercise this is the remedy principally to be depended upon, It should be of the active & passive kinds riding on horse-back is the best, & a long journey should be preferred.

Before mentioning the remedies suited to the mind. I shall relate those feelings of it to which they are to be accommodated

The patient has a false judgement 4th. Of his disease. He fancies he has every disease enumerated in the different nosologies of Physicians particularly if he reads medical Books; sometimes he thinks he has a living animal in his body.

Capt. Friend thought he had a wolf in his body, sometimes he thinks he is dead

2d. Of his Physician, he thinks they do not understand his complaint, or if they do, that they do not attempt to remove it, hence he changes them very frequently

3d. Of his medicines, he thinks they transform into beasts, such as, dogs, cats, &c.

The Hypochondriasis runs into Melancholy, as the Hysteria does into the Hypochondriasis.

Debt says Mr. Burke is a real evil, & it very often brings on this disease. The Hypochondriasis is still further distinguished by one symptom from all other diseases. This is despair.

In the most excruciating fits of the Gout & stone, under the most dreadful losses of property, Health & friends, there is still a desire for life.

It belongs to this alone to tear up the rooted passion for existance, which heaven hath placed in our souls.

From this horrid situation of the mind, the knife, the sword, the Halter, or the more silent disposition of an Opiate dose, are resorted to.

The remedies are

8th. To accommodate the conduct to the patients state of mind, the Physician should always appear grave in his sight, and treat him with becoming propriety and attention

and should never drop a hint to the patient or any of his friends, that he considered this disease as imaginary. I once heard of a patient who thought he was dead, his Physicians laughing at him on what account he angrily dismissed them, he was afterwards cured by an other Physician, who humouring him & pretending to believe he was dead proposed opening him, this proposal agitated the dead man so much, that he recovered, yet he always believed that he had been dead, & that this Physician had restored him to life by his great skill.

2d Every kind of Amusement, Business is still better.

and of all others that which leads to the acquisition of property. During the late war none had it who took an active part. Wealthy Merchants who retire from business, generally have this disease While I was in England, I ate at an eating house, kept by a man who in the former part of his life having suddenly acquired a fortune of £10,000 - set up a carriage threw aside his business, & went into the country, growing tired of idleness & being indisposed, he laid down his carriage & returned to the city, & again set up his eating house. The only cure in this case is a return to business. —

3d. The Excitement of some active & stimulating passion. A sudden fit of anger. A student who thought himself dead, ordered the sexton to toll his bell, the men not attending much to it, gave quickness to the sound of the bell, which was quite displeasing to the dead man, In a great passion he got up, ran to the belfry, kicked the bell-man down stairs, & rung his own bell, with great solemnity for an hour & a half. The exercise restored him to his senses.

5th. If Debt is the cause, we may be assured the man is honest, & should advise him to surrender to his Creditors such is the lenity of the laws that many men after Bankruptcy have retained their Character & again risen to fortune & respectability

5th If it be from false opinions of his spiritual state. as,

1st. That he has committed the unpardonable sin, we may assure that no man who even thought so had committed it. & further that no divines agree on what is the unpardonable sin. if

2d That has the object of divine vengeance, we may unfold to him the comfortable hopes of salvation, thro the Mediation of a Saviour.

6th We should produce if possible an intire new association of Ideas. In order to do this every thing about him must be changed. ———

a Gentleman in South Carolina, cured himself, by changing his clothes and emptying his pockets

7th. And lastly by travelling, this should be in a Warm Climate, with a new Companion & in a new Carriage.

Lecture 41st.

We now come to treat of the third order of Nervous diseases - viz.

Vesania. or

the Diseases of the Mind.

In entering on this subject, I feel like the Jewish Legislator, when he was bid to take off his sandals, before he trod on holy ground.

The diseases of the mind have been but little attended to

By enumerating the powers of the soul, we shall come to the knowledge of the diseases which affect it I shall consider in the following order those which affect

1st. The Understanding

2d. Memory.

3d. Moral Faculty.

4th. Passions.

5th. Confience

6th. and the absence of all these powers constituting fatuity.

The following propositions I shall for granted.

1st. I assume it as a fact, that the body acts upon the mind & the mind upon the body reciprocally

2d. That all the operations of the mind are carried on by means of Motion in the body.

I prefer the term motion to that of action because it is less perceable & likewise make use of it in preference to Oscilation & vibration.

131 Our Ideas of Motion have been tos much limitted like matter it may be diminished

Were a Microscope of sufficient magnitude to be applied to the brain, I have no doubt, but that a motion would be observable in it, for every operation of the mind, for every act of the will, memory &c.

a being of superior intelligence &c.

It is immaterial whether these motions are propogated by Ether or by the vibrations of the hard substance of the brain.

In a Mast of more than an 100 feet in length, the noise made by the scratching with a pin on one end, may by applying the ear at other, be there distinctly heard. sound is conveyed a great distance by the frozen earth of this we had many instances during the late war.

132 How easy is it to conceive of Animals who depend for their existance on earthquakes &c.

Who would believe that the growth of plants is accompanied with sound, yet many late observations confirm the Opinion that they do

"The Brain is a moveable power but it is imperceptible"

"The action of the Nervous & Arterial systems have great effect on the brain, & on other motions & on the degrees of these motions

In Mania the Brain is generally found dry. In fatuity the Brain is found soft. Lieutaud & Dr Arnold have made large collections of brains of deceased persons. They found in all either Water - Hydatids &c.

But the are the effects & not the causes of disease

Dr. Stork tells us, he dissected the brain of a Maniac. where there was no morbid appearance, but was found perfectly sound. We should not trust greatly to appearances after death.

The Ancients attributed madness to black bile

"The health of the brain depends upon motions as well as a certain degree of motion in the rest of the system."

"Perfect health of Mind consists in a certain Medecine, in motions of the brain"

In my introductory Lecture to the diseases of the Nervous system. — I laid down a Scale of diseases as proceeding with the progression of Civilization, Vesania are produced by a higher degree of the causes of those diseases which have preceded.

We are now going upon a new System in the brain. the first is.

Mania

I define it to be a false perception of truth or the relation of things upon all subjects.

By a just perception &c. I mean as things appear in the divine Mind.

"Madness is in their hearts while the liv
Saith Solomon, and St. Paul speaks of a conversion to God liness, as a restoration to a sound mind. But Madness from so extensive a cause is excluded from being the object of our present inquiry.

The second species of Mania is defined a false perception of truth in human affairs & pursuits. Every inordinate pursuit in pleasure or business is a species of Mania.

135. The following is a list of Manias

1st. Liberty Mania.
2d Money Mania.
3d Land Mania.
4th Military Mania.
5th Duelling Mania.
6th Virtuous Mania.
7th Alchemical Mania.
8th Love mania
9th Pride Mania
10th Rambling Mania
11th Ecclesiastical
12th Historical
13th Musical, &
14th Patical Mania
These kinds of Mania I exclude entirely from the present subjects.

A fact of a madman in England who was obliged by his Physician to use the cold Bath, he one day met the servant of a fox Hunter, and asked him how much it cost his master to maintain his horses & hounds the servant said £500 and how much does he sell his foxes for, again said the maniac, for nothing said the servant. I wish replied the madman my Physician could see him, he would forbid the cold bath.

Those who differ from the common sense of mankind are said to be mad.

Dr. Sydenham himself did not escape this imputation, when he introduced the cool regimen

I go on to limit still further the object of our present enquery. —

137 That madness I am now to treat of I define to be a false perception of truth, with conversation & actions contrary to right reason, established maxim & order. —

The proximate cause of this disease is an excess or defect of Motion in the Brain, there may be either of these to a certain degree and not madness.

In men of Genius the motions are very quick & irregular, yet there is not madness connected with it, these very motions if carried to excess would be the disease. But men of genius are seldom subject to it.

Dryden says very justly.

"Great wit to madness near is near allied,"
"And thin Partitions do their bounds divide,"

Weak Men have this disease from defect of action.

The predisposing cause of this disease is debility, either direct or indirect, or too much Excitability.

It is some times Hereditary, it generally appears in middle life, but I know an instance of its occurring in the decline of life.

A Lieutenant of the late General Montgomery told me that it was the wish of the General to die in early life suddenly, & if married, Childless, this wish apparently dreadful appears truly proper, when the reason is shown, this family were subject to an hereditary madness which generally attacks them about the age of 50 to escape it he wished to die before that age

139 he wished a sudden death for the same reasons that ~~he~~ many others do that he might avoid pain, & to depart childless that he might not entail so dreadful a complaint on a fellow sor. —

Fact of a carpenter in Hospital &c.

Remote Causes are

1st. Excess or defect of circulation of blood in the brain, hence fevers are considered as remote causes, Delirium is divided into two species viz. The Ferox & Mite. —

Delirium Phrenitis is only an acute Mania from excess of Circulation, the Mania from Typhus is acute from deficiency.

110 It often follows the debility of parturition

Van Swieten relates a case where Mania recurred every spring & Autumn. Even dreaming is only a temporary Mania

2d. Intemperance in the use of ardent Spirits, they act first by producing excess of action in the blood vessels, & their indirect debility. hence arises Mania from deficiency of action

The case of two men in the Pennsylvania Hospital from this cause, one was cured by wine the other by bleeding

3d. Violent & sudden emotions or passions of the mind, as, excessive Joy, sorrow, Love hatred, intense application of the mind to one subject &c.

141. Doct.r Mead in his account of Mania says, that he formerly heard Doctor Hale, Physician to Bethlehem Hospital, & of great experience in those matters, say more than once, that in the year 1720 even Memorable for the South sea Scheme he had more patients committed to his care, whose heads were turned by the immense riches which fortune had suddenly thrown in their way, than of those who had been completly ruined by that abominable Bubble

Doct. Goldsmith relates a fact of Lord Molyneux who unexpectedly coming to a large estate, was so overjoyed as to hang himself in the Madness it occasioned. There is a fact likewise to the same purpose

142. in the history of New-York Lord. Cornbury on being made Governor, which he had Long solicited, was so rejoiced that he Made a large entertainment, called all his friends together, & after retiring into another room, cut his throat.

4th Various Causes acting on the body, as want of sleep, great Labour, particularly when exposed to the alternate action of heat & cold, Gross & unwholsome food & drink, Garlic in Large quantities, Poisons except in Venery, eating of substances unwholsome Hysteria, & Hypochondriasis, Solitude, the too frequent seeing of Tragedies & eccentrics.

In England there are three causes for its being so common: these are

143.

1st. Solitude
2d. Tragedies
3d. Executions

The Proximate cause leads us to distinguish two species of Mania; these Van-Swieten calls the Raving & Melancholic.

Dr. Brown has taken notice only of the Sthenic. For want of better terms I shall call these two species the Tonic and atonic, the first depending upon excess of action, and the second upon deficiency of action in the brain

The degrees of Mania are distinguished by the number of the powers of the mind affected, the highest degrees affect the understanding, Memory, Imagination, Judgment, Moral faculties, & Passions.

144.

The lowest degree the understanding only. This Dr. Cullen calls the Melancholia. It is only a higher degree of Hypochondriasis, & differs from it in the judgement being more perverted, unattended by Dyspepsia, & the patient denying that he has any disease. Fear leaves them, & madmen seldom feel distress, but on the contrary some are very happy, distress is the constituting symptom of Hypochondriasis and madness

The term Melancholia is therefore improper

Lecture 42.d —

How shall we account for madness sometimes affecting the whole brain, & at other times only one part.

1st. Some Passions affect the brain at once

2d. Others affect it indirectly seizing one part first, & by means of that affecting the whole body. as Hepatitis brings on a general inflamation.

3d. There are Cases where the understanding is affected, & no other part, this is analogous to Local obstructions in other parts of the system, that do not from peculiar causes produce a disease of the whole system

This last species is very common, it happens generally to religious Enthusiasts.

It appears to have been the Malady of the celebrated Swedenburgh, who on all other subjects except his visions, was a very agreeable man. It is likewise the case of Jeremiah Wilkinson who had a perversion of judgement in religious subjects, but is not defective in other respects.

To punish such Characters for their enormous principles, would be a crime committed against good government & the majesty of heaven

In a letter I lately had from Dr. Percival, he tells me of a Mr. Brown, who was attacked by a highway man, in the struggle with him he killed the man, this affected him so much that he thought God for this deed had immortalized his soul

The madness of Don Quixote was well imagined, as it is confined to this principle of the Mind.

A certain Jno. Derbeow of this place, who thro the loss of understanding, supposed himself the proprietor of Pennsylvania, & was constantly making out deeds of it in every thing else he was perfectly sensible, if it was wanted many similar instances might be mentioned, to show the perversion of the understanding, but I have only to add that this species sometimes comes on with a general affection of the other powers of the mind, which is however of short duration. Doct Cullen calls this species Insania Partialis

The madness which occurs after parturition is sthenic, this is accounted for on the same

principle, as the strength in Tetanus
Hoffman relates a case of a Woman, who
meeting with a little ruffle a few days
after child bearing was seized with madness

The precursors of Tonic Madness are
1st great watchfulness & Eccentricity
2d great appetite, Costiveness, Headach &
vertigo.
3d Instability in all pursuits, & unusual
extravagance.
4th Jealousy & jealousy, without any appa-
rent affection of the mind.

The precursors of Atonic Madness are
1st The Symptoms of Hypochondriasis
Love of solitude, watchfulness, & unusu-
al taciturnity.
2d Chillness of the body aversion to motion,
& a Slowness of the pulse & respiration

149.

3d Costiveness, impaired appetite, evacuation, paleness & dryness of the skin, & an indifference with respect to external things

To prevent the first, the patient should be withdrawn from all business, & be engaged in pleasure, studious men have found relief by changing their studies.

Rousseau after severe application read Poetry. The celebrated friend of Sir Isaac Newton, (Mr. McLaurin) read Novels & romances, to relieve his mind from the Mathematics, & so great was the number, that he had perused that Dr. Gregory told me, that his opinion was asked of the character of every publication in that line, Besides these the body should be indured by abstinence moderate labours &c. and all the exciting causes to be avoided

In preventing Atonic madness, the patient should be drawn from solitude. Sir Isaac Newton approached very near to this disease, in consequence of having secluded himself a long time over his favourite study, he was cured by being persuaded & brought into a lively & gay circle. Doct. Boerhaave passed once six weeks without sleep, & was cured of a tendency or near approach to this disease, in the same way.

The body as well as the Mind should be attended to likewise, & exercise, journeys, stimulating drinks, to be recomended.

The Symptoms of Tonic Madness are great watchfulness, Irascibility, Inchoherent Ideas, & deep rooted opinions accompanied with revenge, wild staring eyes, great terror, & fierceness in the face, singing &c.

151.

Great bodily strength, great insensibility to cold, vomits, purges contagious the pulse is generally tense, full and sometimes quick, the appetite unnatural & generally keen, great costiveness & obstruction of the secretions.

Where these have liberty, they resemble beasts & devils rather than Men, they tear their clothes & throw them in the fire, they besmear their faces with excrements, & fly from human society, to church yards &c. These symptoms are varied by the number of the powers of the Mind affected. ~ Shakespear has drawn the best pictures of Madness in his Characters of Lear, & Edgar, the first possesses the tonic the second the atonic spasms. The tragedy of king Lear I would refer you to as superior to all the descriptions of Physicians.

It sometimes terminates in death in three, four, or ten days

The symptoms of Atonic Madness, are great taciturnity, fixed position of the head, down cast look, indifference to all around, neglect of dress, long nails, dishevelled hair &c.

Coldness of the surface of the body, dry skin, change of colour accompanied with dark spots, defect of appetite, a constant spitting of tough Phlegm. Which adheres to the beard. (I remember this to have been particularly the case with Sammy Wallace in our Hospital) a languid slow pulse & respiration of the Secretions, when confined they seek for solitude rather than Society &c.

They are generally inoffensive, this seems to have been that which formed the disease of Nebuchadnezzar

and it is probable that the Idea of his looking like a beast was taken from the length of his hair & nails.

This Shews Shakespear too describes in Edgar, when he assumes the character of a Maniac. This kind of mania sometimes affects all the powers of the mind, but it is more frequently confined to the understanding & Passions, & seldom to the moral faculty

This sometimes continues, 10, 15, 20, or 30, & even 50 years but sometimes terminates fattally in Epilepsy, Hysteria, Hypochondriasis, & fatuity

We are not to suppose that madness always appears in these two forms, they sometimes alternate with each other, and that very rapidly sometimes they are blended

together from excess of action in one part & defect in another, & lastly there may be great action in the brain without the arterial system being brought into sympathy.

The probable issue of the disease is known, from the following remarks

1st. Where Madness is hereditary it is incurable

2d When Madness arises from fevers, Parturition, Intoxication, & Poisons, it generally leads to Mediocrines

3d. When from violent emotions it is less difficult of cure, than when from suspicions

4th. A return of any ancient habit is a sign of returning health. Dr. Willis knew that the present King of England was recovering, from his beginning to speak very quick, which is his usual method of speaking

so successfully but cruelly satirized by Peter Pindar

5th. Madness is much less incurable now in England than formerly, Dr. Willis says that he generally cured the disease in three months, this success is owing to the great attention paid to them, & the excellent administration, & contrivance of the Hospitals for Lunatics in England.

The confinement of Maniacs in cells, is a disgrace & reproach to Pennsylvania

Lecture 43.

Cure.

The remedies for Tonic Madness are,

1st. A removal of the patient from his own house, & family to a place of confinement, Airy & among strangers, if they are outrageous, the Mad-shirt must be put on them; in order to restrain their fury

2d. Bleeding, this is indicated by the pulse, which is generally full & hard, & must be regulated by it. I have known 20 ℥s of blood taken, restore a Maniac in one day, this was the case of a barber in our hospital, when bleeding does not immediately cure it renders the patient more composed, & consequently more manageable.

3d Vomits & nauseating Medicines, the the first act by debilitating the whole System, and should be often repeated, when the whole System is brought into sympathy vomits are preferred to nauseating doses, the others may be used when the action is not very great, & of a mixed nature, and when there is a tendency to Atonic.—

4th Purges these are very proper, drastic purges should never be used, Dr Cullen recommends soluble, & likewise Cream of Tartar, to be repeated two or three times a week, perhaps the three last are only proper where the whole system is affected.

5th Dr Parry has rendered himself famous in England of late for curing this disease, by compressing the Carotid artery, & thus preventing the afflux of the blood to the brain it should only be used in this species.

6th Cold air or cold water, this acts by debilitating. Dr. Brown says the application of cold should be continued till the patient is almost killed, & till the pulse is hardly felt, this is very proper, & analogous to bleeding ad deliquium animi, the use of cold emersion cannot be too much recommended in this disease, when it is objected to, Dr. Cullen recommends the clay cap as a substitute, and it is very useful. Cold applications are proper after the head is shaved, I have seen good effects from cold vinegar or water being applied to the head, perhaps snow or pounded ice would answer better, when the excess of action is local. Case of a man in Maryland who when mad run out from his friends in the night naked & spent the whole night exposed to the cold in a marsh

in the morning he returned home in perfect health.

7th Hard Labour, the Late Dr Gregory told me of a man near Aberdeen who used to cure raving madness by using the patients in a plough like Oxen, diging, running turning a hand mill &c is of great advantage

8th Low diet, as Milk, Vegetables &c.

9th Neutralizing or diverting the ruling passion of the patient — see my oration

I believe a table of attractions with respect to the passions may as well be formed as in Chemistry.

Plutarch relates a fact of the Virgins of Miletus, a certain Mania seemed to be epidemic among them, which induced them to commit suicide, to prevent this an edict was passed, which ordered all the bodies of suicides to be exposed naked in the streets.

the sense of shame operated so powerfully that no act of suicide was after heard of

Thetis diverted Achillis from his intentions respecting the body of Hector by calling in the assistance of Love.

A woman in Philadelphia County was cured by a number of persons playing cards with her the whole day, one succeeding the other as they grew tired, this is perhaps the only case where cards ever did good, where every power of the mind is affected, these I grant would be ineffectual

10th Music – If this has ever done harm, it has not been accommodated to the degree of excitement in the brain

That it hath powers to appease madness, we need only read Dryden Ode for St. Cecilia's day to be convinced.

but we have authority of a higher nature & of indisputable truth, the simple harp of David appeased the madness of Saul. In Tonic madness the most plaintive tunes should be played.

11th. Madmen should never be unnecessarily opposed or irritated. —

The Physician should gain the confidence of the patient, every thing that is tender and kind should come from him, he should appear to enter into all the views & wishes of the Maniac & be his only friend. When ever force must necessarily be used, it should come from any one rather than from the Physician, nay it should seem even to be done without his consent, & against his will & entreaties

12th. A due attention should be paid to the dress & apartment of Maniacs, cleanliness

is indispensibly necessary.

13th. Are there any Medicines which may be used in the cure of tonic Madness? many have been recommended, but I know of none that are certainly efficacious.

Hellebore which formerly so much employed, seems to have done good only when it purged; the same may be said I believe of Borax, which has lately been used; much more may be said of Camphor, Dr. Dobson relates some facts of Camphor which may lead to the employment of it, he gave three drams in one day & it always reduced the pulse, it reduced it in one case from 80 to 70 strokes in a minute & in an other from 90 to 55. &c.

The Digitalis has cured tonic Mania. Dr. Withering speaks highly of this remedy it cured one case in the Pennsylvania Hospital

Is Opium proper? I believe never, I have seen it do harm, Dr. Cullen's opinion concerning its sedative effects, and his advice to give it in order to take down excitement in this disease is false.

The Remedies for Atonic Madness are.

1st. The warm bath. Such is the torpor of the system, that it must be used for many weeks, & even months, when it begins to affect the system, the Cold bath may be employed

2d. Wine & Ardent Spirits, these often cure it, when it proceeds from an intemperate use of them. I have seen a pint of wine in one hour, convert a patient from a beast to a man, & I cured another by strong brandy Toddy.

3d. Opium, this produces wonderful effects, Dr. Sydenham has left a record in its favour, when ever it ocurs from parturition Nervous fever &c. Opium is a sovereign Remedy, if it fails recourse must be had to wine. — Doctr. Anthony Fothergill recommends the Hyoscia-mus in preference to opium, because it does not bind. —

4th. Blisters & Caustics — Blisters are seldom of service, they have long been recommended, but Caustics are the best, they should be applied to the neck in this disease — If blisters fail, it is only from the weakness of their stimulus. I have seen four caps in our Hospital from the spontaneous production of abscesses in different parts of the body cured of this disease. —

Dr. Johnson tells us in his life of Dean Swift, that the Dean enjoyed a temporary return of reason, during the continuance of an abscess in one of his eyes.

5th. Dr. Parry cured the Tonic madness by compressing the Carotid Artery — What would be the effect when in Atonic madness we would compress the jugular vein? the effect of this would be to prevent the return of the blood, & cause an accumulation of it in the vessels of the brain. —

From the effects of fever in Tonic madness, I should suppose it to be a good remedy, an Epidemic Fever once restored many of the Manical patients in the Hospital, & there is one instance of a cure from Angina. Few mad men die without having just before their death recovered their reason

Cervantes shews a great acquaintance with the nature of man, in his making Don Quixote in his last moments perfectly natural and to Lament over the follies of his past life. In all these instances the stimulus of the fever brings the system to that tone, which constitutes rationality

7th Certain stimulating Passions should be employed, as anger & terror.

8th The effects of music may be tried here with safety, it should be of the most lively & animating kind. —

9th Exercise - Confinement is very improper walking is serviceable, riding in a carriage & on horse-back should be used, cleanliness should be attended to, shaving, cutting, the hair, paring the nails &c. are all necessary.

What would be the effect of salivation?
From its good effects in Hypochondriacs,
I should think it would be of service here,
I have long wished to try it, but the unwhol
somenes of the Cells in our hospital have
prevented me. I would however recommend
it to you

11th What would be the effects of Narcotics?
Perhaps those causes which produce tonic
madness, may cure the Atonic, the sudden
good effects of ardent spirits in Mania from
drunkenness makes this conjecture pro-
bable

We now come to treat of the dis-
eases of the.

Memory

Weakness or Defect of Memory.—

This is called by Dr. Cullen Amnesia. It may alone be destroyed, every other power of the mind remaining entire.

The memory is the most wonderful faculty of the Human soul, that operation of the mind by which it retains the knowledge of facts which have passed many days or one day before, has never yet been explained

"Prescience, says Dr. Reid, in the Deity, is not more wonderful, than that men should have the remembrance of things, which have existed 30 years ago"

The period from which the Memory dates its facts is various, It is however very early.

Dr. Mayo told me that he became blind at the age of eighteen month, and that he still remembered a certain cape, and the Plaid dress, then so much worn in Scotland.

Shakespear the Philosopher of nature, makes it begin at three years of age in the tempest where Prospero questions Miranda of her recollection

The mind cannot attend to two things at once, hence the reason why early events are not remembered. We acquire Ideas while young & names afterward

According to Dr. Gregory we learn more in the first three years of our lives, than in any thirty afterward.

The Indians possess very little powers of remembrance, the Memory improves with the progress of Civilization, Literature & refinement.

The manner in which the Indians remember long speeches is, for several of them to set in a row. the first attends till he has his memory sufficently charged, he then jogs his neighbour, who all this time had been looking about, the second then attends till his Memory is loaded, thus they go on till the speech is ended, they then retire, each throws in his proportion, the whole is collected & an answer is made

Many Nations of Indians can count only the number of their fingers & toes, 20, & not beyond that, there are some tribes of Russians ignorant as to be able only to count three. Man is an infinite decimal part of the Deity.

St Paul says it does not appear &c
There are four species of Memory
1st For words. 2d For names 3d For Numbers
4th For Ideas. —

171. Each of these powers of the memory appear to occupy distinct portions or cells in the brain

Children & players possess the first in the greatest perfection.—

Cyrus when he called the names of an army consisting of an 100,000 men shewed an instance of the second. King George the third is a living instance.

The third species was possessed by a certain Jedediah Buxton, likewise a slave in Virginia of the name of Thomas Fuller, and two gentlemen of this city.

I shall relate only a few Anecdotes of each of these persons. Jedediah Buxton went one day to church, as he was a poor man & meanly dressed, no one opened a pew to him

and he stood in the alley during the sermon, the Minister took notice of the attention of the man, and after service asked the sexton if he knew who he was? The sexton not knowing him, the Clergyman then went to him "Friend said he" you appeared very attentive while I was preaching, I dare say you can repeat almost the whole sermon. No returned Jedediah, but I can tell you how many words you spoke" he told him & the Clergyman on counting them found he was exactly right. This same man went to a play one night, while he was there he appeared no way interested in what was going forwards, & the first thing he did when he went home, was to tell how many words the actors had spoken

Thomas Fuller first began with counting the number of grains in a bushell of wheat, & next the number of Hairs in a cows tail, he at length acquired so much Arithmetical knowledge, as to be able when you have told him your age, to inform you how many months, Weeks, days, hours, & seconds, you had lived & this in five minutes time.

There lived about thirty years ago in this city, a man who knew the age of every man in the place that he was acquainted with

There was an other Citizen of the name of Logan who remembered his friends after a fit of Palsy by their ages, & the books in his Library of which he had a considerable number by the year, they were printed in.

of all words but numimerical he was ignorant, but his understanding was still good. —

Each power of the mind seems to ocupy a different part of the brain, perfection of men consists only in possessing every speces of it.

Dr. Mesbit once informed me he could not remember the dates of any events.

Dr. Lardener once forgot his own name, he went to visit a friend, on coming to the house & inquiring for his friend, he was answered that he was not at home, the servant asked him his name the Dr. in vain endeavoured to recollect it. at length he told the servant (being ashamed to tell him of his forgetfulness) that it was no matter he would call again

going down Street he met an acquaintance who called him by name. "Thank you Sir said the Dr. I now know my name, which I had forgotten before, he returned back directly afterwards, & left his name with the servant.

The celebrated Linnaeus as we are informed by the writer of his life, after a stroke of the Palsy forgot the Maiden name of his wife.

If you wish for more information on this curious subject, see Dr. Beattie on the Memory

It is owing to a defect of motion that a total absence of memory takes place

It is owing to excess in some part of the brain, that we are unable to recollect a word or name at night. —

We remember it perfectly well in the morning, this extends even to the understanding, hence the propriety of consulting our pillow in all difficult cases and dangerous situations. —

Lecture 44th.

There is a fact of the exercise of the memory, a gentleman after a nervous fever lost his memory for names, for instance if he wanted a knife to cut an apple, he would ask for a bushell of wheat.

Sometimes there is an oblivion of the sounds of words, & yet a perfect remembrance of the Ideas & letters of a word.

A Clergyman in New-England after a stoppage of the bleeding piles, lost his memory.

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forwards, he would ask how a person did in this Manner.

"How, d, o, – y, o, u, – d, o, ?

A gentleman in this city forgot how to pronounce the word butter, but could have it was made, and its uses.

I think I have observed something like a palsy of the Memory in a gentleman – who could not remember the difference between a jug & a pitcher.

Another person I remember could never learn which way to wind up the regulator of a watch.

I had a school-master who tho he had a great memory for Ideas, had a very bad one for words, he spent a week in learning one simple rule in the Latin grammer. viz. the Dative & ablative Plural are the same

Remote Causes are,

1st Intemperance in eating.

2d - - - - - - - - - - in drinking.

It is a Spanish Law that a person, who has once been convicted of drunkenness, shall never bear testimony in a court of law. —

3d Excess in Venery.

4th Grief. - - —

5th Lesions of the Brain

6th Fevers, especially of the Typhus & plague.

A Clergyman formerly of New Jersey in consequence of a fever at the age of Nineteen, Lost his memory & learning, after he recovered he began to learn the Languages &c sometime after his memory and Ideas suddenly returned. ~

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The cap of the celebrated Dr Leland was similar to the above, at a very early age he made considerable advance in learning after a fever he lost his memory & had again to learn his letters & go on thro' the common preparations of literature, he afterwards became one of the first divines in Europe

7th Gout translated to the brain.

8th Palsy & Apoplexy.

9th Vertigo.

10th Excessive bleeding, particularly for the Epilepsy.

11th Drying up an old Sore

12th Snuff, hence you will remember the cap of Sir Jns Pringle.

13th Fever

14th oppressing the Memory with too many words

Dr Zimmerman relates a case of a young Divine who by endeavouring to learn his sermons by heart, that he might deliver them with the grace of an Orator. lost the power of remembrance,

Children often have it injured by obliging them to commit long speeches, Grammar rules & even Catechisms to the memory

In Removing this disease I shall include Moral as well as Physical remedies

The Remedies of the Moral and Physical kind are

1st Avoiding all the remote & occasional causes

2d By close attention & frequent repetition of what we wish to remember, Men who accustom themselves to tell even a Lie, get at length to believe that it is a fact

Dr Watts advises whenever you hear any thing,

that you wish to remember, to repeat it if you can with propriety in the first company you enter, this is a very good rule

"Science is not Science till revealed"

3d. By calling in the aid of two or more senses

The senses reciprocally assist each other, Tis for this for this reason that children & the vulgar read loud, the Ears & eyes acting together to the more perfect recollection.

4th. By association

When a Group of Ideas is received into the Brain, they are Lodged in different Parts, in this situation the motion of one excites that of others

The memory is assisted by association

1st. By the persons placing himself in the situation he was when he heard what he wished to remember

2d By the pleasure that accompanies the reception of the Idea

3d By pain, this was the origin of a custom in England of a fathers whipping his son at the boundaries of his farm. This too is the reason why women remembers every thing the learn or see about the time of child bearing – A gross fellow in this city said that, every woman who once had a child was a living Almanac. –

4th The memory is helped by association of Arbitrary signs, as tying a knot in a handkerchief, putting paper in the sleeve, & tying a string round the finger &c.

5th By sounds, it is by the remembrance of past scenes of social endearments occasioned by it, that a certain tune operates to produce the Melancholy, there is a tune which I heard & was much pleased with when a child

which tho there is nothing remarkable in it, & indeed it is not an harmonious tune I can hardly hear it at this time without shedding tears.

6th. By certain words, one word begets the remembrance of an other, tho they are not alike in sound; there was formerly a man here of the name of Alexander Alexander, a person wishing to find him, but unable to repeat the name, said it was somthing like point-no-point. This was sufficient, he was readily found, but the misfortune was that the poor man ever after went by the name of Point-no-Point.

7th By certain letters.

A Physician formerly a fellow student of mine, could never remember whether

there were two Arteries & one vein or two veins & one Artery in the umbilical Chord, till he thought of the two letters as in the last sylable of Doctor Boerhaave's name

For further information on this subject, see Dr. Locke, Read. & Beattie

5th. Under the general head, by filling the mind only with useful knowledge and useful facts; Dr. Johnson was so very careful of not admitting any thing but truth & real science into his mind, that he said whatever Mr. Joshua Reynold says I attend to for I know him to be a a man of truth, but what ever that Rascal says ..... mentioning another person, I attend not at all to for I know him to be a liar, & whenever there was any thing trifling going on in conversation

he would never attend to it, & if asked what he was thinking of, he would answer Tom Thumb.

6th. It is further improved by the exercise of it, Memorandum books are improper in early life, but in age become necessary

The Physical means are,
When it is from excess of action, avoiding all the exciting causes. — When it is from defect or what I call a palsy of the brain, Tonic remedies must be used, the cold bath & gentle exercise. Mr. Pope says nothing excites Ideas so much as a trotting horse.

What would be the effect of Stramonium in deficiency of Memory? probably a good effect might result from it.

I believe that no Idea once Lodged in the brain is ever lost, the facts which I formerly mentioned of the Countess of Laval (see page) &c. countenance this opinion, neither should we be surprised at this, a grain of wheat once held in itself every grain which has ever upened on the plains, this is Analogous to what has happined in the Animal world the whole human race were once inveloped in the body of our common parent Adam

The next is

Fatuity

This consists in a total absence of understanding & memory, the Passions & moral faculty sometimes existing in a small degree

The passion of love is generally the one which is present, if any, this is the case with one Michael in Third Street, if you see him at any time, he has always a sweet-heart to talk about.

The Proximate cause is a total absence of motion in the parts of the brain, which contains the parts affected

Slobbering lolling of the tongue and ludicrous gestures accompany this disease.

4th The powers of the human mind appear to spread in families, I believe that no feeble or great men are born of foolish mothers, for this reason we often see whole families of children remarkable for genius or the want of it. At present we have have too few observations to make a system. but I feel certain of the truth of these remarks: —

2d It is occasioned by falls, Lesions of the brain, fevers, Intemperance in eating & drinking, violent passions of the mind &c.

3d By old age, it is a Melancholy truth that we are but once men & twice children. Too much moisture & too much dryness of the brain equally lead to futuity. It occurs in old age by reason of the dryness.

This disease has been cured in children by a fall & a burn. A Daughter of the celebrated Dr Priestly lived salutarus till thirteen, when she fell out of a window & after her recovery became extremely feeble.

I have known a burn cure it, likewise the cold bath, Chalybeates, & exercise have all cured it.

From the effects of burns, What would be the of violent stimulents, as Caustics?

Stramonium might do good

Dr. Percival relates a case of a person who lived in a state of Idiotism, till she was thirty four years old, when being seized with a consumption in her last illness; she recovered her reason, and astonished them all with her sense and wisdom

That which arises from fevers often goes off of itself or by exercise & cold air, if these fail the cold-bath ought to be used

That from old age is seldom cured but may be prevented. Dr. Johnson attributes Dean Swifts fatuity to a resolution he had made not to read after his eyes had failed & to his extreme Avarice which made him avoid company, that he might not be at the expence of entertaining them

The want of employment of the mind in old age is the chief cause of it.

Country people who have no relish for books are generally fatuitous.

In Cities it is more rare, Company can be procured on easier terms than in the Country, & supplies the place of book & business

Dr. Franklin is an instance of the excellent effects of literary attention in the decline of life, he retained his powers in full perfection to the last, & his latest publication about three weeks before his death, was a work of the Imagination.

As these powers of the Mind decay such is the Nature of Man, that consolation is drawn from their failure.

"I Love my Memory" said Anthony Benezett to me, but in this I have the advantage over you, when you read a

fine book once you remember it, and it is Irksome to read it again, to me it is ever new, I read it again, & again, and draw fresh delight from every repetition,,

It is worth remarking that while every other power of the human mind departs, while the understanding, the memory, the vivid Imagination decay, the moral faculty never fails. the

"Immortal never failing friend of man
His guide to happiness on high,,

For the diseases of the moral faculty, I refer you to an oration on the effects of Physical causes on the Moral faculty

The reading of it will save as much time which would otherwise be taken up in lecturing on the subject.

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